

**OPINIONS AND DECLARATIONS
RENDERED BY THE INTER-
NATIONAL COMMISSION ON
ZOOLOGICAL NOMENCLATURE**

Edited by

FRANCIS HEMMING, C.M.G., C.B.E.
Secretary to the Commission

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OPINION 436

Addition to the *Official Indexes of Rejected and Invalid
Names in Zoology* of certain names attributed to Renier
(S.A.) as from 1804 and 1807 respectively (*Opinion
supplementary to Opinion 427*)

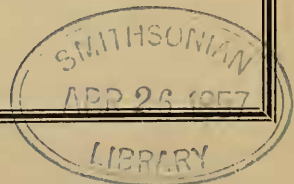
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INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

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(16th December 1954)

OPINION 436

ADDITION TO THE " OFFICIAL INDEXES OF REJECTED AND INVALID NAMES IN ZOOLOGY " OF CERTAIN NAMES ATTRIBUTED TO RENIER (S.A.) AS FROM 1804 AND 1807 RESPECTIVELY (" OPINION " SUPPLEMENTARY TO " OPINION " 427)

RULING :—(1) The under-mentioned generic names are hereby placed on the *Official Index of Rejected and Invalid Generic Names in Zoology* with the Name Numbers severally specified below :—

(a) *Names included in the anonymous work by Renier (S.A.) known as the " Prospetto delle Classe dei Vermi " and commonly attributed to the year 1804, a work rejected for nomenclatorial purposes as not having been duly published by the Ruling given in " Opinion " 316 :—*

(i) *Discoïdes* [Renier], [1804] (Name No. 814) ;

(ii) *Scolixedion* [Renier], [1804] (Name No. 815) ;

(b) *Names included in the anonymous work by Renier (S.A.) known as " Tavole per servire alle Classificazione e Connescenza degli Animali " and commonly attributed to the year 1807, a work rejected for nomenclatorial purposes as not having been duly published by the Ruling given in " Opinion " 427 :—*

(i) *Alcyonaria* [Renier], [1807] (Name No. 816) ;

(ii) *Cystia* [Renier], [1807] (Name No. 817) ;

(iii) *Rodens* [Renier], [1807] (Name No. 818) ;

(iv) *Tricelia* [Renier], [1807] (Name No. 819) ;

(v) *Tuba* [Renier], [1807] (Name No. 820) ;

(c) *Tuba* Oken, 1816 (a name published in a work rejected by the Ruling given in *Opinion* 417 for nomenclatorial purposes as having been published

- in a work in which the author did not apply the principles of binominal nomenclature) (Name No. 821) ;
- (d) *Tuba* Fabricius (O.), 1823 (a *nomen nudum*) (Name No. 822) ;
- (e) *Tuba* Barrande, 1848 (a junior homonym of *Tuba* Lea, 1833) (Name No. 823) ;
- (f) *Tuba* Quenstedt (F.A.), 1851 (a junior homonym of *Tuba* Lea, 1833) (Name No. 824) ;
- (g) *Tuba* Duchassaing & Michelotti, 1864 (a junior homonym of *Tuba* Lea, 1833) (Name No. 825) ;

(2) The under-mentioned specific names are hereby placed on the *Official Index of Rejected and Invalid Specific Names in Zoology* with the Name Numbers severally specified below :—

- (a) *Names included in the anonymous work by Renier (S.A.) specified in (1)(a) above (a work rejected for nomenclatorial purposes by the Ruling given in "Opinion" 316) :—*
- (i) *nutans* [Renier], [1804], as used in the combination *Discoides nutans* (Name No. 367) ;
- (ii) *penulatum* [Renier], [1804], as used in the combination *Scolixedion penulatum* (Name No. 368) ;
- (b) *Names included in the anonymous work by Renier (S.A.) specified in (1)(b) above (a work rejected for nomenclatorial purposes by the Ruling given in "Opinion" 427) :—*
- (i) *armillatus* [Renier], [1807], as used in the combination *Rodens armillatus* (Name No. 369) ;
- (ii) *divisa* [Renier], [1807], as used in the combination *Tuba divisa* (Name No. 370) ;

(iii) *nivea* [Renier], [1807], as used in the combination *Cystia nivea* (Name No. 371).

(3) The under-mentioned names of genera belonging to the Class Gastropoda are hereby placed on the *Official List of Generic Names in Zoology* with the Name Numbers severally specified below :—

- (a) *Tuba* Lea (I.), 1833 (gender : feminine) (type species, by selection by Cossmann (1912) : *Tuba alternata* Lea (I.), 1833) (Name No. 1039) ;
- (b) *Tubina* (Barrande MS.) Owen (R.), 1859 (gender : feminine) (type species, by monotypy : *Tubina armata* (Barrande MS.) Owen (R.), 1859) (Name No. 1040).

(4) The under-mentioned names of species belonging to the Class Gastropoda are hereby placed on the *Official List of Specific Names in Zoology* with the Name Numbers severally specified below :—

- (a) *alternata* Lea (I.), 1833, as published in the combination *Tuba alternata* (specific name of type species of *Tuba* Lea (I.), 1833) (Name No. 1111) ;
- (b) *armata* (Barrande MS.) Owen (R.), 1859, as published in the combination *Tubina armata* (specific name of type species of *Tubina* Owen (R.), 1859) (Name No. 1112).

I. THE STATEMENT OF THE CASE

The present *Opinion*, which is in the nature of a supplement to *Opinion 427*,¹ contains rulings by the International Commission

¹ Published in 1956 (*Ops. Decls. int. Comm. zool. Nomencl.* 14 : 281—310).

on Zoological Nomenclature as regards the status to be assigned to twelve names (7 generic names ; 5 specific names) out of a total of seventeen names (11 generic names ; 6 specific names) introduced by Renier (S.A.) in two works (the *Prospetto Class. Verm.* attributed to 1804 and the *Tavole serv. Class. Conn. Anim.* attributed to 1807) which have been rejected for nomenclatorial purposes (the former by the Ruling given in *Opinion* 316, the latter by that given in *Opinion* 427) which were expressly reserved for further consideration at the time of the adoption of *Opinion* 427. The proposals on which the decisions embodied in the present *Opinion* were based were submitted to the International Commission by the Secretary on 16th May 1956 in the following paper :—

Proposed addition to the appropriate “ Official Indexes of Rejected and Invalid Names ” of certain names introduced by Renier (S.A.) in the works “ Prospetto Class. Verm. ” and “ Tavole serv. Class. Conn. Anim. ” commonly attributed to the years 1804 and 1807 respectively and matters incidental thereto

By FRANCIS HEMMING, C.M.G., C.B.E.

(*Secretary to the International Commission on Zoological Nomenclature*)

The purpose of the present paper is to report to the International Commission the progress made in obtaining information regarding certain names which first appeared either in S. A. Renier's *Prospetto delle Classe dei Vermi* or in that author's *Tavole per servire alle Classificazione e Connescenza degli Animali*, works commonly attributed to the years 1804 and 1807 respectively, which were deliberately left over for further consideration by Dr. Myra Keen (*Stanford University, Stanford, California, U.S.A.*) in her application relating to the foregoing works (Keen, 1954, *Bull. zool. Nomencl.* 9 : 257—262).

2. It will be recalled that in the foregoing application Dr. Keen, after asking that the Commission should reject Renier's *Tavole serv. Class. Conn. Anim.* as not having been duly published and recommending that the majority of the new names in the foregoing work, together with certain names which had first appeared in the *Prospetto Class. Verm.*, should be placed on the appropriate *Official Indexes of Rejected and Invalid Names in Zoology*, proposed that action in the foregoing sense should be postponed in regard to a small number of the names in question in order to “ provide an opportunity to specialists to submit

applications for the validation under the Plenary Powers” of any of the generic names concerned “ which may be shown to be in current use ” (: 262, paragraph 12(3)).

3. Dr. Keen’s application was published on 22nd October 1954 and on the same date Public Notice of the possible use by the Commission of its Plenary Powers for the validation of the names specified in this application was given in the prescribed manner. The necessary formal steps have thus been taken for the validation of any of the foregoing names if applications to that end were to be submitted by specialists and were to be approved by the Commission.

4. The names referred to in paragraph 2 above which Dr. Keen recommended should be placed before specialists for discussion were the following:—

- (1) Names included in Renier’s “ *Prospetto Class. Verm.* ”: *Discooides*; *Cerebratulus*; *Polycitor*; *Scolixedion*;
- (2) Names included in Renier’s “ *Tavole serv. Class. Conn. Anim.* ”: *Aglaja*; *Alcyonaria*; *Cystia*; *Rodens*; *Tricelia*; *Tuba*; *Tubulanus*.

5. In a Voting Paper (V.P.(55)2) issued on 19th May 1955 the Commission was invited to vote on all those parts of Dr. Keen’s application which were concerned with matters other than the status to be accorded to the names specified in paragraph 4 above. The proposal so submitted was approved by the Commission and an *Opinion (Opinion 427)*² embodying the decisions so taken has now been prepared.

6. The ground has thus been cleared for the consideration by the Commission of the problems relating to the eleven generic names which Dr. Keen had recommended for further consideration. In this, as in other similar cases, it appeared to me as Secretary to the Commission that it would not be sufficient merely to wait for specialists to respond to the Public Notices referred to in paragraph 3 above and that what was required was that this Office should itself examine the issues involved in concert with interested specialists. For help given in these investigations the Commission is particularly indebted to: (1) Dr. Henning Lemche (*Universitetets Zoologiske Museum, Copenhagen*), who has not only provided advice on names of taxa belonging to his own speciality but in addition has taken a great deal of trouble as regards other names in obtaining the views of specialists in the groups concerned; (2) Dr. L. R. Cox (*British Museum (Natural History), London*) who has furnished the most valuable advice in regard to a number of the names concerned and has also most kindly provided a large amount of bibliographical data in regard not only to the names here under discussion but also in regard to the names which

² This *Opinion* was published on 26th October, 1956 (*Ops. Decls. Int. Comm. zool. Nomencl.* 14 : 281-310).

in her application Dr. Myra Keen had recommended should at once be placed on the various *Official Indexes*. Finally, the Commission is much indebted to Dr. Keen who has followed closely the investigations undertaken in regard to the eleven generic names that had been reserved for further consideration and who is in agreement with the recommendations which are now submitted to the Commission for consideration.

7. The result of the investigations which have been undertaken are set out in the Annexes attached to the present paper, of which the first is concerned with names included in Renier's *Prospetto* and the second with names in his *Tavole*.

8. It will be seen from these Annexes that a *prima facie* case has been established for the use by the Commission of its Plenary Powers for validating four out of the eleven generic names included in the list submitted by Dr. Myra Keen, together with some or all of the specific names introduced by Renier for species placed by him in the genera concerned. In addition, a *prima facie* case has been established for the validation of one specific name in common use which was introduced by Renier in combination with a generic name which is not currently employed and which it is considered should not be validated. At the close of the investigations under discussion the two Registered Files which had been opened in 1954 for the consideration of all matters arising in connection with Dr. Keen's proposal that consideration should be given to the possible validation of certain names introduced by Renier in the *Prospetto* (Z.N.(S.) 832) and in the *Tavole* (Z.N.(S.) 897) were closed; the documents relating to the names which the investigation had shown should be rejected, i.e. those relating to the names dealt with in the present paper, were thereupon re-registered under the Number Z.N.(S.) 1091 and separate Files were opened for the further consideration of those names, the possible validation of which should, it was proposed, be investigated by the Commission in greater detail. The names so reserved and the Registered Files which have been opened for their consideration are as follows:—

(a) *Generic names and associated specific names:—*

- (i) *Cerebratulus* Renier, [1804]: File Z.N.(S.) 1095
- (ii) *Polycitor* Renier, [1804]: File Z.N.(S.) 1096
- (iii) *Aglaja* Renier, [1807]: File Z.N.(S.) 1092
- (iv) *Tubulanus* Renier, [1807]: File Z.N.(S.) 1094

(b) *One specific name:—*

- (v) *variopedata* Renier, [1807], as used in the combination *Tricelia variopedata*: File Z.N.(S.) 1093.

9. The information given in the Annexes to the present paper shows clearly, in my opinion, that there would be no justification for

the use of the Commission's Plenary Powers for validating any of the other names included in Dr. Myra Keen's list and I recommend that these names should all be placed on the appropriate *Official Indexes of Rejected and Invalid Names in Zoology*. In this recommendation I am supported by Dr. Cox, Dr. Keen and Dr. Lemche. In the case of one of the names concerned (*Tuba*) there are several homonyms which are objectively invalid, quite irrespective of the status of the name as used by Renier. Dr. Cox has suggested that these invalid homonyms should now be placed on the *Official Index*. At the same time he has recommended that the senior of these homonyms, *Tuba* Lea, 1833, which is an indisputably available name and is in current use for a genus of Gastropoda from the Eocene should be placed on the *Official List*. Finally, he has suggested that a similar course should be followed as regards a generic name (*Tubina* Owen, 1859) which has in the past sometimes been incorrectly treated as having been published as a substitute name for one of the invalid homonyms referred to above, but which is in fact the oldest name for a taxonomically valid genus.

10. The recommendations now submitted are as follows:—

(1) *Names recommended to be placed on the "Official Index of Rejected and Invalid Generic Names in Zoology"*:

- | | | |
|---|---|---|
| (a) <i>Discooides</i> Renier, [1804] | } | Names introduced in a work rejected for nomenclatorial purposes (V.P. (55) 2) |
| (b) <i>Scolixedion</i> Renier, [1804] | | |
| (c) <i>Alcyonaria</i> Renier, [1807] | | |
| (d) <i>Cystia</i> Renier, [1807] | | |
| (e) <i>Rodens</i> Renier, [1807] | | |
| (f) <i>Tricelia</i> Renier, [1807] | | |
| (g) <i>Tuba</i> Renier, [1807] | | |
| (h) <i>Tuba</i> Oken, 1816 (published in a work rejected for nomenclatorial purposes by the Ruling given in <i>Opinion</i> 417) | } | Junior homonyms of <i>Tuba</i> Lea, 1833 |
| (i) <i>Tuba</i> Fabricius (O.), 1823 (a <i>nomen nudum</i>) | | |
| (j) <i>Tuba</i> Barrande, 1848 | | |
| (k) <i>Tuba</i> Quenstedt (F. A.), 1851 | | |
| (l) <i>Tuba</i> Duchassaing & Michelotti, 1864 | | |

(2) *Names recommended to be placed on the "Official Index of Rejected and Invalid Specific Names in Zoology"* (names introduced in a work rejected for nomenclatorial purposes):

- (a) *nutans* Renier, [1804], as used in the combination *Discooides nutans*;
- (b) *penulatum* Renier, [1804], as used in the combination *Scolixedion penulatum*;

- (c) *armillatus* Renier, [1807], as used in the combination *Rodens armillatus*;
- (d) *divisa* Renier, [1807], as used in the combination *Tuba divisa*;
- (e) *nivea* Renier, [1807], as used in the combination *Cystia nivea*.
- (3) *Names recommended for addition to the "Official List of Generic Names in Zoology"*:
- (a) *Tuba* Lea (I.) 1833 (gender: feminine) (type species, by selection by Cossmann (1912): *Tuba alternata* Lea (I.), 1833) (Class Gastropoda);
- (b) *Tubina* Owen (R.), 1859 (gender: feminine) (type species, by monotypy: *Tubina armata* Owen, 1859); (Class Gastropoda);
- (4) *Names recommended for addition to the "Official List of Specific Names in Zoology"*:
- (a) *alternata* Lea (I.), 1833, as published in the combination *Tuba alternata* (specific name of type species of *Tuba* Lea (I.), 1833);
- (b) *armata* Owen (R.), 1859, as published in the combination *Tubina armata* (specific name of type species of *Tubina* Owen, 1859).

11. A word of explanation is needed as to the reason why in the bibliographical references cited in Annexe 2 for the later of the two works by Renier here discussed the title is cited in square brackets. The British Museum (Natural History), London, possesses a photostat reproduction of the only extant copy of this work now preserved in the library of the University of Padua. This copy was supplied by the University Authorities to the late C. D. Sherborn when he was preparing his great work the *Index Animalium*. Dr. L. R. Cox who has already placed on record (1954, *Bull. zool. Nomencl.* 9 : 265) that the title page of this copy is wanting, has since informed me (*in litt.*, 19th January 1956) that: "There is a note bound up with our photographic copy of the tables that 'the title here quoted [*Tavole per servire alla classificazione e conoscenza degli animali*] is copied from Engelman's *Bibl. Hist. Nat.*, p. 339'. The title quoted is given on the note in question as beginning with 'Tavole' [not 'Tavola'], as one would expect, as there are several tables . . . It would appear that no copy of the original title-page, if there ever was one, is now in existence."

The title quoted above is the title habitually attributed to this work and is clearly the title which should be employed. As explained above, it is, however, a reconstructed title obtained from a later author. It is for this reason that this title is here cited in square brackets.

12. The present Voting Paper is divided into two Parts. In Part 1 the Members of the Commission are invited to vote on the question of the admission to the *Official Indexes of Rejected and Invalid Names in Zoology* of the objectively invalid names specified in Sections (1) and (2) of paragraph 10 above. In Part 2 the Members of the Commission are invited to vote on the question of the admission to the *Official Lists* of valid names of the names specified in Sections (3) and (4) of the paragraph referred to above.

ANNEXE 1

Names included in Renier's "Prospetto della Classe dei Vermi" commonly attributed to the year 1804 which in Application Z.N.(S.) 688, paragraph 12(3)(a), Dr. Myra Keen recommended should not be rejected until an opportunity had been given to specialists to state whether the names concerned were in current use.

- (1) *Discoides* Renier, [1804], *Prospetto Class. Verm.* : XVI
Discoides nutans Renier, [1804], *Prospetto Class. Verm.* : XVI

Dr. Henning Lemche has reported (28th October 1954) that the generic name *Discoides* Renier has for a long time been a threat to the extremely well-known generic name *Pleurobranchus* Cuvier, 1804 (*Ann. Mus. Hist. nat., Paris* 5(28) : 275 and pl. 18) in Mollusca. The name is considered to be a *nomen dubium* and is not in use (Lemche ; Keen (: 259)). There is thus no case whatever for validating either this generic name or the specific name *nutans* Renier, the name of the sole species placed in this genus in the *Prospetto*.

- (2) *Cerebratulus* Renier, [1804], *Prospetto Class. Verm.* : XXI
Cerebratulus bilineatus Renier, [1804], *Prospetto Class. Verm.* : XXI
Cerebratulus marginatus Renier, [1804], *Prospetto Class. Verm.* : XXI.

In her original application Dr. Myra Keen reported (: 259) that she had been informed by Dr. Olga Hartman, specialist in Annelida, that

the name *Cerebratulus* is in use in Nemertes. Dr. Lemche has provided (27th May 1955) the following valuable supplementary note :—

Cerebratulus : This is the current name for a very important genus of nemertean of the family LINEIDAE. Even the specific name *marginatus* Renier is quoted in many textbooks. It is likely that this species will be found to be the type species of this genus, though definite information on this subject is not at present available. The following references show the use of the name *Cerebratulus* :—

Delle Chiaje, 1829, *Memoria* 4 : tav. 62, figs. 9 and 16

Hubrecht, 1886, *Challenger Rep.* 54 : 37

Claus-Grobbem-Kuhn, 1932, *Lehrbuch d. Zool.* (10th Ed.) : 534

Hyman, 1951, *The Invertebrates* 2 : 463

[Tokio Kaburaki & Shiro Okuda], 1953, *Nippon Dobutsu Zukan* (Revised Ed.) : 1472. [In this work the authors' names are given only in Japanese. The book itself has the subsidiary English title "Illustrated Encyclopedia of the Fauna of Japan (exclusive of Insects)". For the foregoing bibliographical particulars relating to this work I am indebted to Professor Teiso Esaki, to whom I applied for assistance].

I have been unable to find any other name for this genus.

This clearly is a case where in the interest of maintaining continuity and avoiding unnecessary name-changing it is desirable that a detailed statement of the case should be placed before the Commission before any decision is taken on the question whether the above names should be placed on the *Official Indexes of Rejected and Invalid Names in Zoology*.

(3) *Polycitor* Renier, [1804], *Prospetto Class. Verm.* : XVII

Polycitor crystallinus Renier, [1804], *Prospetto Class. Verm.* : XVII

Dr. Lemche has reported (27th May 1955) that the genus *Polycitor* Renier is the type genus of the subfamily POLYCITORINAE of the Tunicate family CLAVELINIDAE and that the binomen *Polycitor crystallinus* Renier is also in use. Dr. Lemche added that it was his intention to consult Dr. R. H. Miller (*Marine Station, Milport, Scotland*). On 16th February 1956 Dr. Lemche kindly communicated the following report which he had received from Dr. Miller :—

The names *Polycitor* Renier and *P. crystallinus* Renier are still in current use. The species has recently been reviewed and redescribed by Carlisle (1953, *Proc. zool. Soc. Lond.* Vol. 123, pt. 2, pp. 259—265), and there is no doubt, in my opinion, that any change in the generic name would cause confusion . . . The first occasion on which a name in the family-group level was established on the name *Polycitor* was :—Family POLYCITORIDAE Micharlson,

W., 1904, "Revision der compositen Styeliden oder Polyzoinen" (*Jahrb. Wiss. Anst. Hamburg*, Vol. 21, pages 2 and 83). On that occasion the name was used in the proper Latinised form.

The information supplied by Dr. Lemche and Dr. Miller shows clearly that the present case requires further investigation before either the generic name *Polycitor* Renier or the specific name *crystallinus* Renier is placed on the *Official Indexes of Rejected and Invalid Names in Zoology*.

- (4) *Scolixedion* Renier, [1804], *Prospetto Class. Verm.* : XX
Scolixedion penulatum Renier, [1804], *Prospetto Class. Verm.* : XX

In recording this name Neave (1940, *Nomencl. zool.* 4 : 150) was unable even to assign it to a given Phylum with any certainty, being forced to content himself with the notation "Verm. (*Inc. sed.*)". In her application Dr. Keen observed that, if the name *Scolixedion* Renier were to be accepted, it would displace the name *Serpulorbis* Sassi, 1827 (Class Gastropoda). This latter taxon was treated by Thiele (1931, *Handb. Mollk.* 1 : 483) as a subgenus of *Vermetus* Daudin, 1800. It is clear from the information collected that there would be no case for validating the generic name *Scolixedion* Renier.

ANNEXE 2

Names included in Renier's "Tavole per servire alle Classificazione e Conoscenza degli Animali" commonly attributed to the year 1807 which in Application Z.N.(S.) 688, paragraph 12(3)(b), Dr. Myra Keen recommended should not be rejected until an opportunity had been given to specialists to state whether the names concerned were in current use.

- (1) *Aglaja* Renier, [1807], [*Tavole serv. Class. Conn. Anim.*]: Tav. VIII
Aglaja depicta Renier, [1807], [*Tavole serv. Class. Conn. Anim.*]:
 Tav. VIII
Aglaja tricolorata Renier, [1807], [*Tavole serv. Class. Conn. Anim.*]:
 Tav. VIII

Applications for the validation of the generic name *Aglaja* Renier under the Plenary Powers have been received independently from two different sources. It would therefore clearly be inappropriate for any action to be taken by the Commission in regard to this generic name, pending the consideration of the applications referred to above. The

same applies to the specific names *depicta* Renier and *tricolorata* Renier as used in combination with the foregoing generic name.

- (2) *Alcyonaria* Renier, [1807], [*Tavole serv. Class. Conn. Anim.*] : Tav. IV

Dr. Lemche has drawn attention (27th May 1955) to the fact that the term *ALCYONARIA* has been used on a number of occasions to denote groups of Ordinal or Sub-Ordinal value in the Phylum Coelenterata. He states that it does not seem to have been used as a generic name and adds that its use in such a sense would be extremely unwelcome. In these circumstances there would clearly be no case for the validation of the name *Alcyonaria* Renier, [1807], under the Plenary Powers.

- (3) *Cystia* Renier, [1807], [*Tavole serv. Class. Conn. Anim.*] : Tav. VII
Cystia nivea Renier, [1807], [*Tavole serv. Class. Conn. Amin.*] : Tav. VII

The generic name *Cystia* Renier was cited by Neave (1939, *Nomencl. zool.* 1 : 953) as the name of a genus of Mollusca. It was not mentioned, however, in Thiele's *Handb. d. Mollk.* of 1928 (Lemche, *in litt.*, 27th May 1955). Dr. Myra Keen stated in her application (: 259) that, if this name were to be re-introduced, it would displace the name *Limatula* Wood, 1839 (*Mag. nat. Hist.* (n.s.) 3 : 235). It is clear that there would be no justification for the use of the Plenary Powers to validate either the generic name *Cystia* Renier or the specific name *nivea* Renier as used in the combination with that generic name.

- (4) *Rodens* Renier, [1807], [*Tavole serv. Class. Conn. Anim.*] : Tav. VI
Rodens armillatus Renier, [1807], [*Tavole serv. Class. Conn. Anim.*] : Tav. VI

Dr. Lemche reported (27th May 1955) as follows : “ *Rodens* is said in Neave's *Nomenclator* to be a Polychaete, but as such it is absolutely unknown. The name appears never to have been used”. Clearly no case can exist for the validation of either of the foregoing names.

- (5) *Tricelia* Renier, [1807], [*Tavole serv. Class. Conn. Anim.*] : Tav. VI
Tricelia variopedata Renier, [1807], [*Tavole serv. Class. Conn. Anim.*] : Tav. VI

Dr. Keen stated (: 259) that she had consulted Dr. Olga Hartman, specialist in Annelida, who had informed her that the name *Tricelia*

Renier was a synonym of *Chaetopterus* Cuvier, 1830 (*Règne. Anim.* (ed. 2) 3 : 208) (Polychaeta). In these circumstances there would clearly be no advantage in validating the generic name *Tricelia* Renier.

On the other hand, the specific name *variopedata* Renier, as used in the combination *Tricelia variopedata*, is, Dr. Lemche reports (*in litt.*, 27th May 1955), the "very well-known name for an extremely strange polychaete which is known to most students of zoology because of its peculiar outline and strong powers of luminescence". Dr. Lemche added: "I think that it is essential to keep this specific name". Clearly the future disposal of this name is a matter which calls for consideration by the Commission.

(6) *Tuba* Renier, [1807], [*Tavole serv. Class. Conn. Anim.*] : Tav. VI
Tuba divisa Renier, [1807], [*Tavole serv. Class. Conn. Anim.*] :
 Tav. VI

Dr. Lemche has reported (*in litt.*, 27th May 1955) as follows: "*Tuba divisa* Renier is a polychaete now generally known as *Myxicola infundibulum* Mont. There is no reason for preserving Renier's names". It is accordingly considered that there would be no justification for the use of the Commission's Plenary Powers on behalf of these names.

In commenting on this name, Dr. L. R. Cox (British Museum (Natural History)), after stating that, so far as he knew, the names *Tuba* Renier and *Tuba divisa* Renier had not been adopted in the group concerned, drew attention to the fact that the name *Tuba* had at later dates been introduced as the generic name for no less than three genera in the Class Gastropoda. The first of these was *Tuba* Fabricius (O.), 1823 (*Fortegnelse* : 80), which was a *nomen nudum*, for, although Fabricius cited certain specific names in connection with this generic name, he cited no author's name in connection with these specific names and the names concerned include such names as *fasciata*, which by 1820 had already been published in several genera of molluscs, for example, in the genera *Trochus*, *Turbo*, etc., and as regards which it is impossible to determine what were the nominal species which Fabricius intended to place in this genus, for which he gave no "indication" in words of any kind. The second name is *Tuba* Lea, 1833 (*Contrib. Geol.* : 127) and the third is *Tuba* Quenstedt, (F.A.), 1851 (*Handb. Petrefaktenkunde* : 422). In addition, there are also the following generic names consisting of the word *Tuba*, of which it is necessary to take account : (a) *Tuba* Oken, 1815 (*Lehrbuch Naturgesch.* 3(1) : 383) (a name published in a work rejected for nomenclatorial purposes by the Ruling given in *Opinion* 417, now in the press³); (b) the following names which are junior homonyms of *Tuba* Lea,

³ This *Opinion* was published on 1st September, 1956, (*Ops. Decls. Int. Comm. zool. Nomencl.* 14 : 1-42).

1833 (the first generic name consisting of the word *Tuba* to be validly published with an "indication"): (i) *Tuba* Barrande, 1848 (*in* Verneuil, *Bull. Soc. géol. France* (2) 5 : 376); (ii) *Tuba* Duchassaing & Michelotti, 1864 (*Natuurk. Verh. Wet. Haarlem* (3) 21 (No. 3) : 44).

Dr. L. R. Cox has recommended that all the names cited above, with the exception of *Tuba* Lea, which is an available name, should be placed on the *Official Index of Rejected and Invalid Generic Names in Zoology*. As regards *Tuba* Lea, 1833, Dr. Cox has advised as follows:—

The genus *Tuba* Lea (L.), 1833 was founded on three fossil species of Gastropod from the Eocene of Alabama. The name has been used quite widely and is in current use for species from the English Eocene. English palaeontologists (including Dr. F. E. Eames) whom I have consulted consider that *Tuba* Lea should be retained. I therefore recommend that it should be placed on the *Official List of Generic Names* and that the name of its type species should be placed on the *Official List of Specific Names*. The references are: *Tuba* Isaac Lea, 1833, *Contributions to Geology*: 127 (type species, by selection by M. Cossmann, 1912 (*Essais de Paléoconchologie comparée*, Livr. 9 : 13): *Tuba alternata* Lea, 1833 (: 128), Eocene of Alabama).

In the same report Dr. Cox, referring to the name *Tubina* Owen, 1859, which has in the past sometimes been treated incorrectly as a replacement name for *Tuba* Barrande, 1848, wrote: "The name *Tubina* was published by R. Owen in 1859 (*Ency. brit.* (8th ed.) 17 (Article on Palaeontology) : 111). Its type species by monotypy is *Tubina armata* (Barrande MS.), Owen, 1859 (*ibid.*: 111, Fig. 17). This generic name is the oldest name for the genus concerned and is in use for it. This name and also the specific name of its type species should be placed on the *Official Lists*".

- (7) *Tubulanus* Renier, [1807], [*Tavole serv. Class. Conn. Anim.*] Tav. VI
Tubulanus polymorphus Renier, [1807], [*Tavole serv. Class. Conn. Anim.*] : Tav. VI.

In her original application (: 259) Dr. Keen stated that, according to Bronn's *Classen und Ordnungen des Thier-Reichs*, the genus *Tubulanus* Renier was the type genus of the family TUBULANIDAE in Nemertes. Dr. Lemche (*in litt.*, 27th May 1955), after confirming that the *Tubulanus* was the type genus of the family TUBULANIDAE, said that this was one of the best known Nemertean genera. Dr. Lemche then proceeded as follows: "On a very few occasions this genus has been called by the name *Carinella* Johnston, 1833, but, today as in the past, the name *Tubulanus* is the one known for the animals in question. The following references show the use of this generic name:—

Delle Chiaje, 1829, *Memoria* 4: Tav. 62, figs. 8 & 12 (*T. polymorphus* Renier)

Fauvel, 1928, *Faune de France* 16 : 77

Claus-Grobbe-Kühn, 1932, *Lehrbuch d. Zool.* (10th Ed.) : 534

Hyman, 1951, *The Invertebrates* 2 : 497 (also the family name TUBULANIDAE)

[Tokio Kaburaki & Shiro Okuda], 1953, *Nippon Dobutsu Zukan* (Revised Ed.) : 1474” [In this work the authors' names are given only in Japanese. The book itself has the subsidiary English title “Illustrated Encyclopedia of the Fauna of Japan (exclusive of Insects)”. For the foregoing bibliographical particulars relating to this work I am indebted to Professor Teiso Esaki, to whom I applied for assistance.]

2. Registration of the present application : The names which form the subject of the present *Opinion* were first brought to the attention of the International Commission in an application submitted by Dr. Myra Keen which on receipt was allotted the Registered Number Z.N.(S.) 688. The major part of that application was concerned with the status of Renier's *Tavole serv. Class. Conn. Anim.* and it was only incidentally that in it Dr. Keen raised also the question of the possibility of the validation by the Commission of certain names in the same author's *Prospetto Class. Verm.*, a work which, together with a third work of Renier's known as the *Tavola alfabetica*, had already been the subject of an application (Z.N.(S.) 432) by Dr. L. R. Cox. For the purpose of dealing with the names covered by Dr. Keen's application, it was judged to be more convenient to restrict Commission File Z.N.(S.) 688 to matters connected with the *Tavole* and to open a new file (Z.N.(S.) 832) for the consideration of the names in the *Prospetto* which Dr. Keen had suggested should be preserved. In August 1952 a decision was taken by the Commission on Dr. Cox's application and in April 1954 that decision was embodied in *Opinion* 316, the File (Z.N.(S.) 432) on which that case had been considered being thereupon closed. In October 1955 a decision was taken by the International Commission on all aspects of Dr. Keen's application except those concerned with the seventeen names (of which six appeared in the *Prospetto* and eleven in the *Tavole*) which Dr. Keen had suggested should be reserved for further consideration. When in April 1956 the decision so taken was embodied in *Opinion* 427, the earlier Files Z.N.(S.) 688 and 832 were closed and a new Registered

Number, Z.N.(S.) 1091, was allotted for the consideration of the seventeen names which had been reserved for further examination.

3. Procedure adopted for the submission of the present case to the International Commission on Zoological Nomenclature for decision :

The proposals put forward in the present application related to two very different types of case, namely : (1) proposals for the final rejection of certain names which had appeared in works by Renier which had already been declared to be unavailable in Rulings given by the Commission in *Opinion* 316 and *Opinion* 427 respectively and for the possible validation of which no support had been forthcoming, notwithstanding the issue of Public Notices relating to the possible use by the Commission of its Plenary Powers to validate the names in question ; (2) proposals for the addition to the *Official List of Generic Names in Zoology* and to the *Official List of Specific Names in Zoology* of certain available names in current use. In these circumstances the Secretary took the view that the proper course would be to divide the required Voting Paper into two Parts, in the first of which each Member of the Commission would be asked to state whether he agreed that no case had been established for the validation under the Plenary Powers of the Renier names dealt with in the application, while in Part 2 of the Voting Paper the Members of the Commission would be asked to vote either for, or against, the addition to the *Official Lists* of the available names in current use which had been recommended for such treatment in the application submitted.

II. THE DECISION TAKEN BY THE INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

4. Issue of Voting Paper V.P.(O.M.)(56)8 : On 16th May 1956 a Voting Paper (V.P.(O.M.)(56)8) was issued to the Members of

the Commission for the purpose of obtaining a decision on the proposals submitted in this case, the Voting Paper so issued being divided into two Parts in the manner explained in paragraph 3 above, namely :—

- (i) In Part 1 of the foregoing Voting Paper each Member of the Commission was invited to state whether he was “ of the opinion that there is no case for the validation by the Commission under its Plenary Powers (a) of any of the generic names attributable to Renier, specified in Section (1) of paragraph 10 of the paper bearing the Registered Number Z.N.(S.) 1091 submitted by the Secretary simultaneously with the present Voting Paper [i.e. in the Section numbered as above in paragraph 10 of the paper reproduced in paragraph 1 of the present *Opinion*] or (b) of any of the specific names specified in Section (2) of the paragraph referred to above and accordingly ” whether he agreed “ that, in conformity with the General Directive relating to the placing of objectively invalid names on the *Official Indexes* established for the recording of such names issued to the International Commission by the Thirteenth International Congress of Zoology, Paris, 1948, and with the Directive supplementary thereto issued to the Commission by the said Congress in relation to the inclusion in the Ruling to be given in any particular case of decisions on all matters arising in connection therewith, the proposals set out in the said paragraph of the paper referred to above for the addition to the *Official Indexes of Rejected and Invalid Generic and Specific Names in Zoology* respectively of the generic and specific names there specified be approved ”, and, if in any given case he was not of the above opinion, to indicate that case.

- (ii) In Part 2 of the foregoing Voting Paper each Member of the Commission was invited to vote either for, or against “ the addition of the names specified in Sections (3) and (4) of paragraph 10 of the paper by the Secretary cited in Part 1 of the present Voting Paper to the *Official List of Generic Names in Zoology* and to the *Official List*

of Specific Names in Zoology respectively as there recommended ”.

5. The Prescribed Voting Period : As the foregoing Voting Paper was issued under the One-Month Rule, the Prescribed Voting Period closed on 16th June 1956.

6. Particulars of the Voting on Part 1 of Voting Paper V.P.(O.M.)(56)8 : At the close of the Prescribed Voting Period, the state of the voting on Part 1 of Voting Paper V.P.(O.M.)(56)8 was as follows :—

(a) *Votes in favour of the rejection of all the names introduced by Renier specified in Sections (1) and (2) of paragraph 10 of the paper submitted concurrently with the foregoing Voting Paper (arranged in the order in which Votes were received) (twenty-four (24) votes) :*

Holthuis ; Stoll ; Vokes ; Mayr ; Bonnet ; Bodenheimer ; Dymond ; Hering ; do Amaral ; Mertens ; Lemche ; Key ; Esaki ; Miller ; Riley ; Bradley (J.C.) ; Hemming ; Kühnelt ; Tortonese ; Sylvester-Bradley ; Boschma ; Prantl ; Jaczewski ; Hankó ;

(b) *Votes in favour of the validation under the Plenary Powers of one or more of the names specified in (a) above :*

None ;

(c) *Voting Papers not returned, one (1) :*

Cabrera.

7. Particulars of the Voting on Part 2 of Voting Paper V.P.(O.M.)(56)8 : At the close of the Prescribed Voting Period, the state of the voting on Part 2 of Voting Paper V.P.(O.M.)(56)8 was as follows :—

(a) *Affirmative Votes had been given by the following twenty-four (24) Commissioners (arranged in the order in which Votes were received) :*

Holthuis ; Stoll ; Vokes ; Mayr ; Bonnet ; Bodenheimer ; Dymond ; Hering ; do Amaral ; Mertens ; Lemche ; Key ; Esaki ; Miller ; Riley ; Bradley (J.C.) ; Hemming ; Kühnelt ; Tortonese ; Sylvester-Bradley ; Boschma ; Prantl ; Jaczewski ; Hankó ;

(b) *Negative Votes :*

None ;

(c) *Voting Papers not returned, one (1) :*

Cabrera.

8. Declaration of Result of Vote : On 25th June 1956, Mr. Hemming, Secretary to the International Commission, acting as Returning Officer for the Vote taken on Voting Paper V.P. (O.M.)(56)8, signed a Certificate that the Votes cast were as set out in paragraphs 6 and 7 above and declaring that the proposals submitted in the foregoing Voting Paper had been duly adopted and that the decision so taken was the decision of the International Commission in the matter aforesaid.

9. Preparation of the Ruling given in the present "Opinion" :
On 4th October 1956 Mr. Hemming prepared the Ruling given in the present *Opinion* and at the same time signed a Certificate that the terms of that Ruling were in complete accord with those of the proposal approved by the International Commission in its Vote on Voting Paper V.P.(O.M.)(56)8.

10. Original References : The following are the original references for the names placed on *Official Lists* and *Official Indexes* by the Ruling given in the present *Opinion* :—

Alcyonaria [Renier], [1807], [*Tav. serv. Class. Conn. Anim.*] :
Tav. IV

alternata, *Tuba*, Lea (I.), 1833, *Contrib. Geol* : 128

armata, *Tubina* (Barrande M.S.), Owen (R.), 1859, *Ency. brit.*
(8th Ed.) 17 (Article on Palaeontology) : 111, fig. 17

armillatus, *Rodens*, [Renier], [1807], [*Tav. serv. Class. Conn. Anim.*] :
Tav. VI

Cystia [Renier], [1807], [*Tav. serv. Class. Conn. Anim.*] : Tav VII

Discoides [Renier], [1804], [*Prospetto Class. Verm.*] : XVI

divisa, *Tuba*, [Renier], [1807], [*Tav. serv. Class. Conn. Anim.*] :
Tav. VI

nivea, *Cystia*, [Renier], [1807], [*Tav. serv. Class. Conn. Anim.*] :
Tav. VII

nutans, *Discoides*, [Renier], [1804], [*Prospetto Class. Verm.*] :
XVI

penulatum, *Scolixedion*, [Renier], [1804], [*Prospetto Class. Verm.*] :
XX

Rodens [Renier], [1807], [*Tav. serv. Class. Conn. Anim.*] : Tav. VI

Scolixedion [Renier], [1804], [*Prospetto Class. Verm.*] : XX

Tricelia [Renier], [1807], [*Tav. serv. Class. Conn. Anim.*] : Tav. VI

Tuba [Renier], [1807], [*Tav. serv. Class. Conn. Anim.*] : Tav. VI

Tuba Oken, 1815, *Lehrbuch Naturgesch.* 3(1) : 383

Tuba Fabricius (O.), 1823, *Fortegnelse* : 80

Tuba Lea (I.), 1833, *Contrib. Geol.* : 127

Tuba Barrande, 1848, in Verneuil, *Bull. Soc. géol. France* (2)5 : 376

Tuba Quenstedt (F.A.), 1851, *Handbuch Petrefaktenk.* : 422

Tuba Duchassaing & Michelotti, 1864, *Natuurk. Verh. Wet. Haarlem* (3) 21 (No. 3) : 44

Tubina (Barrande M.S.) Owen (R.), 1859, *Ency. brit.* (8th Ed.) 17 (Article on Palaeontology) : 111

11. The reference for the type selection for the genus *Tuba* Lea, 1833, specified in Section (3)(a) of the Ruling given in the present *Opinion* is as follows: Cossmann (M.), 1912, *Essais de Paléoconchologie comparée*, Livr. 9 : 13.

12. **Family-Group Name Problems** : No family-group name problems arise in connection with names dealt with in the present *Opinion*.

13. The prescribed procedures were duly complied with by the International Commission on Zoological Nomenclature in dealing with the present case, and the present *Opinion* is accordingly hereby rendered in the name of the said International Commission by the under-signed Francis Hemming, Secretary to the International Commission on Zoological Nomenclature, in virtue of all and every the powers conferred upon him in that behalf.

14. The present *Opinion* shall be known as *Opinion* Four Hundred and Thirty-Six (436) of the International Commission on Zoological Nomenclature.

DONE in London, this Fourth day of October, Nineteen Hundred and Fifty-Six.

*Secretary to the International Commission
on Zoological Nomenclature*

FRANCIS HEMMING